

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Currently Amended) [[A]] An apparatus comprising:
2 a cable having an outer surface; and
3 a seal assembly, comprising:
4 a thermoplastic seal;
5 a preload member adapted to apply a force to and induce cold flow of the
6 thermoplastic seal to seal against the outer surface of the cable.
- 1 2. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the seal assembly
2 further ~~comprising~~ comprises a ferrule abutting an end of the thermoplastic seal.
- 1 3. (Currently Amended) The ~~seal-assembly~~ apparatus of claim ~~[[1]]~~ 2, wherein the ferrule is
2 formed of a metal material.
- 1 4. (Withdrawn) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic seal has
2 a slot formed in an end thereof.
- 1 5. (Withdrawn) The ~~seal-assembly~~ apparatus of claim 4, wherein the seal assembly further
2 ~~comprising~~ comprises a ferrule having a protruding, tapered end abutting the end of the
3 thermoplastic seal.
- 1 6. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the preload
2 member is a threaded mandrel.
- 1 7. (Withdrawn) The ~~seal-assembly~~ apparatus of claim 1, wherein the seal assembly further
2 ~~comprising~~ comprises a spring adapted to maintain a force on the thermoplastic seal.
- 1 8. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal has a tensile modulus equal to or greater than 500,000 psi at room temperature.

1 9. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal has a flexural modulus equal to or greater than 500,000 psi at room temperature.

1 10. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal comprises PEEK.

1 11. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal comprises PEK.

1 12. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal comprises PPS.

1 13. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal comprises PEKEKK.

1 14. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 1, wherein the thermoplastic
2 seal comprises PET.

1 15. (Currently Amended) A method for sealing, comprising:
2 providing a control line having an outer surface, the control line comprising at least one
3 of a hydraulic line, fiber optic line, and electrical line;
4 providing a seal having a component formed of a thermoplastic;
5 inducing cold flow deformation of the component to create a fluidic seal against the outer
6 surface of the control line.

1 16. (Original) The method of claim 15, further comprising applying a preload to the seal to
2 induce the deformation.

1 17. (Cancelled)

- 1 18. (Withdrawn) The method of claim 15, wherein the deformation ~~comprises~~ is caused by
2 crimping.
- 1 19. (Withdrawn) The method of claim 15, wherein the deformation ~~comprises~~ is caused by
2 clamping.
- 1 20. (Currently Amended) The method of claim [[15]] 16, further comprising maintaining the
2 preload on the seal.
- 1 21. (Currently Amended) The method of claim 15, wherein the thermoplastic component has
2 a tensile modulus equal to or greater than 500,000 psi at room temperature.
- 1 22. (Currently Amended) The method of claim 15, wherein the thermoplastic component has
2 a flexural modulus equal to or greater than 500,000 psi at room temperature.
- 1 23. (Currently Amended) The method of claim 15, wherein the thermoplastic component
2 comprises PEEK.
- 1 24. (Currently Amended) The method of claim 15, wherein the thermoplastic component
2 comprises PEK.
- 1 25. (Currently Amended) The method of claim 15, wherein the thermoplastic component
2 comprises PPS.
- 1 26. (Currently Amended) The method of claim 15, wherein the thermoplastic component
2 comprises PEKEKK.
- 1 27. (Currently Amended) The method of claim 15, wherein the thermoplastic component
2 comprises PET.

1 28. (Currently Amended) ~~[[A]]~~ An apparatus comprising:
2 a control line having an outer surface, the control line comprising at least one of a fiber
3 optic line and electrical line; and
4 a seal, comprising:
5 a ferrule; and
6 an adjacent seal member deformed by cold flow about at least a portion of the
7 ferrule to seal against the outer surface of the control line.

1 29. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 28, wherein the seal comprises a
2 thermoplastic component.

1 30. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component has a tensile modulus equal to or greater than 500,000 psi at room
3 temperature.

1 31. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component has a flexural modulus equal to or greater than 500,000 psi at room
3 temperature.

1 32. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component comprises PEEK.

1 33. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component comprises PEK.

1 34. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component comprises PPS.

1 35. (Currently Amended) The ~~seal-assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component comprises PEKEKK.

1 36. (Currently Amended) The ~~seal assembly~~ apparatus of claim 29, wherein the
2 thermoplastic component comprises PET.

1 37. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 28, further comprising a preload
2 member.

1 38. (Currently Amended) ~~[[A]]~~ An apparatus comprising:
2 a cable; and
3 a seal assembly, comprising:
4 a housing;
5 a deformed thermoplastic seal member that provides a fluidic seal against the
6 housing and ~~a component~~ the cable.

1 39. (Cancelled)

1 40. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 38, wherein the seal member has a
2 tensile modulus equal to or greater than 500,000 psi at room temperature.

1 41. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 38, wherein the seal member has a
2 flexural modulus equal to or greater than 500,000 psi at room temperature.

1 42. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 38, wherein the seal member
2 comprises a PEEK material.

1 43. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 38, wherein the seal member
2 comprises a PEK material.

1 44. (Currently Amended) The ~~[[seal]]~~ apparatus of claim 38, wherein the seal member
2 comprises a PPS material.

1 45. (Currently Amended) The [[seal]] apparatus of claim 38, wherein the seal member
2 comprises a PEKEKK material.

1 46. (Currently Amended) The [[seal]] apparatus of claim 38, wherein the seal member
2 comprises a PET material.